

NesCom Recommendations

IEEE-SA Standards Board New Standards Committee (NesCom) Recommendations [SASB approval date: 11-Dec-2013]

[All votes unanimous unless noted otherwise.]

Withdrawal Requests

IEEE Computer Society/Software & Systems Engineering Standards Committee

P1175.5

Standard for Computer-Aided Software Engineering (CASE) Tool Interconnections -- Reference Data Metamodel for System Behavior Specifications

Recommendation: Approve PAR withdrawal

IEEE Engineering in Medicine and Biology Society/IEEE 11073TM Standards Committee

P11073-10404

Standard for Health Informatics - Personal Health Device Communication - Device Specialization - Pulse Oximeter

Recommendation: Approve PAR withdrawal

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1068-2009/Cor 1

IEEE Standard for the Repair and Rewinding of AC Electric Motors in the Petroleum, Chemical, and Process Industries - Corrigendum 1

Recommendation: Defer consideration until March 2014.

Modified PARs

IEEE Computer Society/LAN/MAN Standards Committee

P802.1AX

Standard for Local and metropolitan area networks--Link Aggregation

Recommendation: Approve modified PAR

P802.1Q

Standard for Local and metropolitan area networks--Bridges and Bridged Networks

Recommendation: Approve modified PAR

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1584

Guide for Performing Arc-Flash Hazard Calculations

Recommendation: Approve modified PAR

P60079-30-1

Explosive Atmospheres - Part 30-1: Electrical resistance trace heating -
General and testing requirements

Recommendation: Approve modified PAR

IEEE Nanotechnology Council/Standards Committee

P62659

Standard for Large Scale Manufacturing of Nanoelectronics

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Electric Machinery

P117

Standard Test Procedure for Thermal Evaluation of Systems of Insulating Materials for Random-Wound AC Electric Machinery

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Surge Protective Devices/Low Voltage

PC62.69

Standard for the Surge Parameters of Isolating Transformers Used in Networking Devices and Equipment

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Switchgear

PC37.010

Application Guide for AC High-Voltage Circuit Breakers > 1000 Vac Rated on a Symmetrical Current Basis

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Transmission and Distribution

P1895

Standard for Below-Grade Inspection and Assessment of Corrosion on Steel Transmission, Distribution, and Substation Structures

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Transformers

PC57.130

Guide for the Use of Dissolved Gas Analysis Applied to Factory Temperature Rise Tests for the Evaluation of Mineral Oil-Immersed Transformers and Reactors

Recommendation: Approve modified PAR

PC57.637

Guide for the Reclamation of Mineral Insulating Oil and Criteria for Its Use

Recommendation: Approve modified PAR

IEEE-SASB Coordinating Committees/SCC31 - Automatic Meter Reading and Energy Management

P1705

Protocol Implementation Conformance Statement (PICS) Proforma Standard for IEEE 1701 and IEEE 1377

Recommendation: Disapprove modified PAR

Extension Requests

IEEE Computer Society/Design Automation

P1735

Recommended Practice for Encryption and Management of Electronic Design Intellectual Property (IP)

Recommendation: Approve request for an extension until December 2014

IEEE Computer Society/LAN/MAN Standards Committee

P802

Standard for Local and Metropolitan Area Networks: Overview and Architecture

Recommendation: Approve request for an extension until December 2014

IEEE Computer Society/Learning Technology

P1484.13.3

Recommended Practice for Learning Technology - ISO 21000-2:2005 Information Technology -- Multimedia Framework (MPEG-21) -- Part 2: Digital Item Declaration Mapping to the Conceptual Model for Resource Aggregation

Recommendation: Approve request for an extension until December 2014

P1484.13.4

Recommended Practice for Learning Technology - IMS Content Packaging Information Model (CP) Version 1.2 - Mapping to the Conceptual Model for Resource Aggregation

Recommendation: Approve request for an extension until December 2015

P1484.13.6

Recommended Practice for Learning Technology - Open Archives Initiative Object Reuse and Exchange Abstract Model (OAI-ORE) - Mapping to the Conceptual Model for Resource Aggregation

Recommendation: Approve request for an extension until December 2014

IEEE Computer Society/Software & Systems Engineering Standards Committee

P730

Standard for Software Quality Assurance Processes

Recommendation: Approve request for an extension until December 2014

IEEE Computer Society/Test Technology

P1804

Standard for Fault Accounting and Coverage Reporting to Digital Modules (FACR)

Recommendation: Approve request for an extension until December 2014

IEEE Engineering in Medicine and Biology Society/Standards Committee

P1708

Standard for Wearable Cuffless Blood Pressure Measuring Devices

Recommendation: Approve request for an extension until December 2014

P1642

Recommended Practice for Protecting Public Accessible Computer Systems from Intentional EMI

Recommendation: Approve request for an extension until December 2014

P1688

Standard for Requirements for the Control of Electromagnetic Interference Characteristics of Replaceable Electronic Modules

Recommendation: Approve request for an extension until December 2014

P1566

Standard for Performance of Adjustable Speed AC Drives Rated 375 kW and Larger

Recommendation: Approve request for an extension until December 2014

P1580.1

Recommended Practice for Insulated Bus Pipe for Use on Shipboard and Fixed or Floating Platforms

Recommendation: Approve request for an extension until December 2015

P1584

Guide for Performing Arc-Flash Hazard Calculations

Recommendation: Approve request for an extension until December 2017

P1584.1

Guide for the Specification of Scope and Deliverable Requirements for an Arc-flash Hazard Calculation Study in Accordance With IEEE 1584

Recommendation: Approve request for an extension until December 2014

P1716

Recommended Practice for Managing Natural Disaster Impact on key electrical systems and installations in Petroleum and Chemical Facilities

Recommendation: Approve request for an extension until December 2014

P3000

Recommended Practice for the Engineering of Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2016

P3004.3

Recommended Practice for the Application of Low-Voltage Fuses in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2014

P3004.5

Recommended Practice for the Application of Low-Voltage Circuit Breakers in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2014

P421.2

Guide for Identification, Testing, and Evaluation of the Dynamic Performance of Excitation Control Systems

Recommendation: *Approve request for an extension until December 2014*

P810

Standard for Hydraulic Turbine and Generator Shaft Couplings and Shaft Runout Tolerances

Recommendation: *Approve request for an extension until December 2014*

P1595

Standard for Designating and Quantifying Green Energy Projects in the Electricity Sector

Recommendation: *Approve request for an extension until December 2015*

P117

Standard Test Procedure for Thermal Evaluation of Systems of Insulating Materials for Random-Wound AC Electric Machinery

Recommendation: *Approve request for an extension until December 2014*

P1812

Guide for Testing Permanent Magnet Machines

Recommendation: *Approve request for an extension until December 2014*

P575

Guide for Bonding Sheaths and Shields of Single-Conductor Power Cables Rated 5 - 500 kV

Recommendation: *Approve request for an extension until December 2014*

P848

Standard Procedure for the Determination of the Ampacity Derating Factor for Fire-Protected Cable Systems

Recommendation: *Approve request for an extension until December 2014*

P971

Guide for the Installation and Removal of Power Cables Installed in Duct Systems

Recommendation: *Disapprove request for an extension*

P1254

Guide for Soil Thermal Stability

Recommendation: *Approve request for an extension until December 2015*

P62582-5

Nuclear Power Plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods
Part 5: Optical time domain reflectometry

Recommendation: *Approve request for an extension until December 2015*

P1729

Recommended Practice for Electric Power Distribution System Analysis

Recommendation: Approve request for an extension until December 2014

PC37.95

Guide for Protective Relaying of Utility-Consumer Interconnections

Recommendation: Approve request for an extension until December 2014

PC37.98

Standard for Seismic Qualification Testing of Protective Relays and Auxiliaries for Nuclear Facilities

Recommendation: Approve request for an extension until December 2014

PC57.13.3

Guide for Grounding of Instrument Transformer Secondary Circuits and Cases

Recommendation: Approve request for an extension until December 2015

PC62.92.2

Guide for the Application of Neutral Grounding In Electrical Utility Systems Part II - Synchronous Generator Systems

Recommendation: Approve request for an extension until December 2015

PC62.92.4

Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part IV - Distribution

Recommendation: Approve request for an extension until December 2014

P693

Recommended Practice for Seismic Design of Substations

Recommendation: Approve request for an extension until December 2016

PC37.122.1

Guide for Gas-Insulated Substations

Recommendation: Approve request for an extension until December 2014

PC37.122.4

Application and User Guide for Gas-Insulated Transmission Lines (GIL), Rated 72.5 kV and Above

Recommendation: Approve request for an extension until December 2014

PC37.010

Application Guide for AC High-Voltage Circuit Breakers > 1000 Vac Rated on a Symmetrical Current Basis

Recommendation: Approve request for an extension until December 2015

PC37.30.2

Guide for Wind Loading Evaluation of High Voltage (>1000 V) Air Break Switches

Recommendation: Approve request for an extension until December 2015

IEEE Power and Energy Society/Transmission and Distribution

P519

Recommended Practices and Requirements for Harmonic Control in Electric Power Systems

Recommendation: Approve request for an extension until December 2014

P1564

Guide for Voltage Sag Indices

Recommendation: Approve request for an extension until December 2014

IEEE Power and Energy Society/Transformers

P65700-19-03

Standard for Bushings for DC application

Recommendation: Approve request for an extension until December 2014

IEEE-SASB Coordinating Committees/SCC20 - Test and Diagnosis for Electronic Systems

P1232.3

Guide for the Use of Artificial Intelligence Exchange and Service Tie to All Test Environments (AI-ESTATE)

Recommendation: Approve request for an extension until December 2014

IEEE-SASB Coordinating Committees/SCC21 - Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage

P1361

Guide for Selection, Charging, Test and Evaluation of Lead-Acid Batteries Used in Stand-Alone Photovoltaic (PV) Systems

Recommendation: Approve request for an extension until December 2014

IEEE-SASB Coordinating Committees/SCC31 - Automatic Meter Reading and Energy Management

P1705

Standard for Compliance Testing to Utility Industry Metering Communications Protocol Standards

Recommendation: Disapprove request for an extension

IEEE-SASB Coordinating Committees/SCC40 - Earth Observation

P2030.1

Guide for Electric-Sourced Transportation Infrastructure

Recommendation: Approve request for an extension until December 2015

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1653.5

Recommended Practice for Controlled Rectifiers for Traction Power Substation Applications

Recommendation: Disapprove request for an extension

P1653.6

Recommended Practice for Grounding of Direct Current Equipment Enclosures in Traction Power Distribution Facilities

Recommendation: Approve request for an extension until December 2014

New PARs

IEEE-SA Board of Governors/Corporate Advisory Group

P2404

Standard for Power Plant De-Nitrogen Oxide (DeNO_x) Plate-type Catalyst

Recommendation: Approve new PAR until December 2017

IEEE Computer Society/Design Automation

P1666.1

SystemC Analog/Mixed-Signal (AMS) extensions Language Reference Manual

Recommendation: Approve new PAR until December 2017

P2401

Standard Format for LSI-Package-Board Interoperable Design

Recommendation: Approve new PAR until December 2017

IEEE Computer Society/LAN/MAN Standards Committee

P802.3br

Standard for Ethernet Amendment Specification and Management Parameters for Interspersing Express Traffic

Recommendation: Approve new PAR until December 2017

P802.3bt

Standard for Ethernet Amendment: Physical Layer and Management Parameters for DTE Power via MDI over 4-Pair

Recommendation: Approve new PAR until December 2017

P802.3bu

Standard for Ethernet Amendment: Physical Layer and Management Parameters for 1-Pair Power over Data Lines

Recommendation: Approve new PAR until December 2017

IEEE Computer Society/Standards Activities Board

P1857.4

Standard for 2nd Generation IEEE 1857 Video Coding

Recommendation: Approve new PAR until December 2017

P1857.5

Standard for Advanced Mobile Speech and Audio

Recommendation: Approve new PAR until December 2017

P1857.6

Standard for Digital Media Content Description

Recommendation: Approve new PAR until December 2017

IEEE Communications Society/Power Line Communications

P1905.1a

Standard for a Convergent Digital Home Network for Heterogeneous Technologies

Amendment: Support of new MAC/PHYs and enhancements

Recommendation: Approve new PAR until December 2017

IEEE Electron Devices Society/Microelectromechanical Systems (MEMS) Standards Development Committee

P2700

Standard for Sensor Performance Parameter Definitions

Recommendation: Conditionally Approve new PAR until December 2017; conditional upon SASB acceptance of the Sponsor P&P

IEEE Industry Applications Society/Technical Books Coordinating Committee

P3004.4

Recommended Practice for the Application of Medium- and High-Voltage Fuses in Industrial and Commercial Power Systems

Recommendation: Approve new PAR until December 2017

P3006.2

Recommended Practice for Evaluating the Reliability of Existing Industrial and Commercial Power Systems

Recommendation: Approve new PAR until December 2017

P3006.3

Recommended Practice for Determining the Impact of Preventative Maintenance on the Reliability of Industrial and Commercial Power Systems

Recommendation: Approve new PAR until December 2017

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

P2402

Standard Design Criteria of Complex Virtual Instruments for Ocean Observation

Recommendation: Approve new PAR until December 2017

IEEE Power and Energy Society/Stationary Batteries Committee

P2405

Standard for the Design of Battery Chargers Used in Stationary Applications

Recommendation: Conditionally Approve new PAR until December 2017; conditional upon the receipt of a signed MOU with NEMA

IEEE Power and Energy Society/Surge Protective Devices/Low Voltage

PC62.42.3

Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Part 3 Silicon PN-Junction Clamping Diodes

Recommendation: Approve new PAR until December 2017

PC62.42.4

Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Part 4
Thermally Activated Current Limiters

Recommendation: Approve new PAR until December 2017

IEEE Power and Energy Society/Switchgear

PC37.62

Standard for Pad Mounted, Dry Vault, Submersible Fault, and Overhead Fault Interrupters for alternating current systems up to 38 kV

Recommendation: Approve new PAR until December 2017

IEEE Power and Energy Society/Transmission and Distribution

P1882

Guide for Establishing, Benchmarking, and Maintaining a Working Program for Energized Transmission Lines

Recommendation: Approve new PAR until December 2017

IEEE Power and Energy Society/Transformers

PC57.13.8

Standard Requirements for Station Service Voltage Transformers

Recommendation: Approve new PAR until December 2017

IEEE-SASB Coordinating Committees/SCC20 - Test and Diagnosis for Electronic Systems

P1641.1a

Guide for the Use of IEEE Std 1641, IEEE Standard for Signal and Test Definition
Amendment to add Guidelines for producing reusable Test Signal Frameworks (TSFs) for use on platforms utilizing Automatic Test Markup Language (ATML)

Recommendation: Approve new PAR until December 2017

IEEE-SASB Coordinating Committees/SCC21 - Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage

P2030.2.1

Guide for Design, Operation, and Maintenance of Battery Energy Storage Systems, both Stationary and Mobile, and Applications Integrated with Electric Power Systems

Recommendation: Approve new PAR until December 2017

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P2030.1.1

Standard Technical Specifications of a DC Quick Charger for Use with Electric Vehicles

Recommendation: Approve new PAR until December 2017. [Vote: Yes=4, No=2, Abstain=2]

PARs for the Revision of Standards

IEEE Computer Society/Design Automation

P1685

Standard for IP-XACT, Standard Structure for Packaging, Integrating, and Reusing IP within Tool Flows
Recommendation: Approve PAR for the revision of a standard until December 2017

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1068

Standard for the Repair and Rewinding of AC Electric Motors in the Petroleum, Chemical, and Process Industries
Recommendation: Defer consideration until March 2014

P80005-1

Utility Connections in Port--Part 1: High Voltage Shore Connection (HVSC) Systems--General requirements
Recommendation: Approve PAR for the revision of a standard until December 2017

IEEE Power and Energy Society/Nuclear Power Engineering

P60780-323

Qualification of Electrical Equipment Important to Safety for Nuclear Facilities
Recommendation: Approve PAR for the revision of a standard until December 2017

IEEE Power and Energy Society/Power System Relaying

PC37.116

Guide for Protective Relay Application to Transmission-Line Series Capacitor Banks
Recommendation: Approve PAR for the revision of a standard until December 2017

PC57.13.1

Guide for Field Testing of Relaying Current Transformers
Recommendation: Approve PAR for the revision of a standard until December 2017

IEEE Power and Energy Society/Surge Protective Devices/High Voltage

PC62.11

Standard for Metal-Oxide Surge Arresters for AC Power Circuits (> 1 kV)
Recommendation: Approve PAR for the revision of a standard until December 2017

PARS FOR ADMINISTRATIVE WITHDRAWAL – DECEMBER 2013

P211 (APS/P)

Standard Definitions of Terms for Radio Wave Propagation

(Revision PAR)

P1805 (C/S2ESC)

Guide for Requirements Capture Language (RCL)

(New PAR)

P45 (IAS/PCI)

Recommended Practice for Electrical Installations on Ships

(Revision PAR)

P3001.1 (IAS/TBCC)

Recommended Practice for the Planning of Industrial and Commercial Power Systems

(New PAR)

P1797 (PE/ED&PG)

Guide for Design and Application of Solar Technology in Commercial Power Generating Stations

(New PAR)

P1798 (PE/EM)

Guide for Qualification and Type Tests for Partial Discharge (PD)-Free Electrical Insulation Systems Used in Rotating Electrical Machines Fed from Voltage

(New PAR)

P971 (PE/IC)

Guide for the Installation and Removal of Power Cables Installed in Duct Systems

(Revision PAR)

P1659 (PE/IC)

Guide for Connectors Used In Underground Cable Joints and Terminations for Voltages of 5 – 35 kV

(New PAR)

P323 (PE/NPE)

Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations and Nuclear Facilities

(Revision PAR)

PC62.41.2 (PE/SPD/LV)

Standard for Recommended Practice on Characterization of Surges in Low-Voltage (1000 V and less) AC Power Circuits

(Revision PAR)

P1646 (PE/SUB)

Standard Communication Delivery Time Performance Requirements for Electric Power Substation Automation

(Revision PAR)

P1806 (PE/T&D)

Guide for Placement of Overhead and Underground Switching and Overcurrent Protection Equipment

(New PAR)

P1705 (SASB/SCC31)

Standard for Compliance Testing to Utility Industry Metering Communications Protocol Standards

(New PAR)

P16 (VT/RTSC)

Standard for Electrical and Electronic Control Apparatus on Rail Vehicles

(Revision PAR)

P1558-2004/Cor1 (VT/RTSC)

IEEE Standard for Software Documentation for Rail Equipment and Systems – Corrigendum 1: Coordination between IEEE Std 1558TM and recent changes to other software standards

(New PAR)

P1627 (VT/RTSC)

Standard for Grounding Practices for DC Electrification Overhead Contact Systems, Including Application of Lightning Arresters, for Transit Systems

(New PAR)

P1653.1 (VT/RTSC)

Standard for Traction Power Rectifier Transformers for Substation Applications up to 1500 Volts dc Nominal Output

(New PAR)

P1653.5 (VT/RTSC)

Recommended Practice for Controlled Rectifiers for Traction Power Substation Applications

(New PAR)

P1791 (VT/RTSC)

Recommended Practice for Terminology Used for Direct Current Electric
Transit Overhead Contact Systems

(New PAR)